

MEMO TO FILE

20 May 1961

Brief conversation with Dr. Russell Morgan

He was here for the local meeting of the Radiologists Society which I addressed on the subject of exobiology.

We discussed some applications and possibilities of storage tubes. He had, in fact, cooperated on the use of intensifier tubes for Mars observation.

Existing storage tubes suffer from a lack of linearity and gray scale definition which they would need to be more useful for diagnostic purposes. We agreed that we might both have an urgent requirement for digital coding of video signals on the one hand for storage and on the other for the video tracking program. We discussed possibly bringing this up with Bell Labs and agreed to keep each other informed. Morgan uses an RCA video tape recording system for preserving radiograms for training and consultation purposes.

He referred to the astrocon as an intensifier image tube coupled to a vidicon on which Westinghouse has been working. He suggested that I contact John Coltman at the Westinghouse Research Laboratory in Pittsburgh for more information.

In general they have found the fuse storage tubes to be more reliable than the Raytheon.

MORGAN, R.